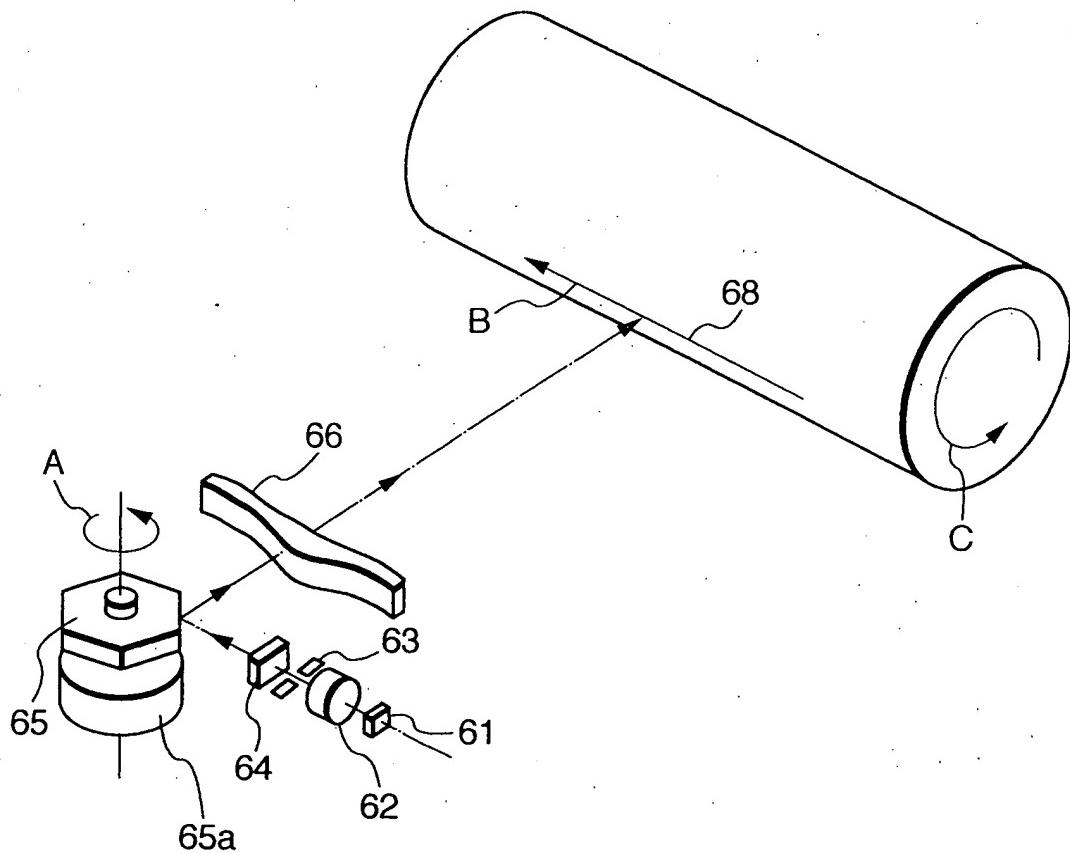
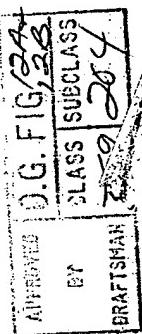


951635

1/31

FIG. 1

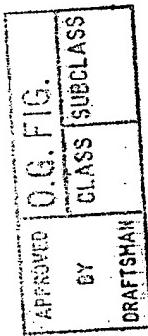


149

95 1635

2/31

FIG. 2A



MAIN SCANNING SECTION

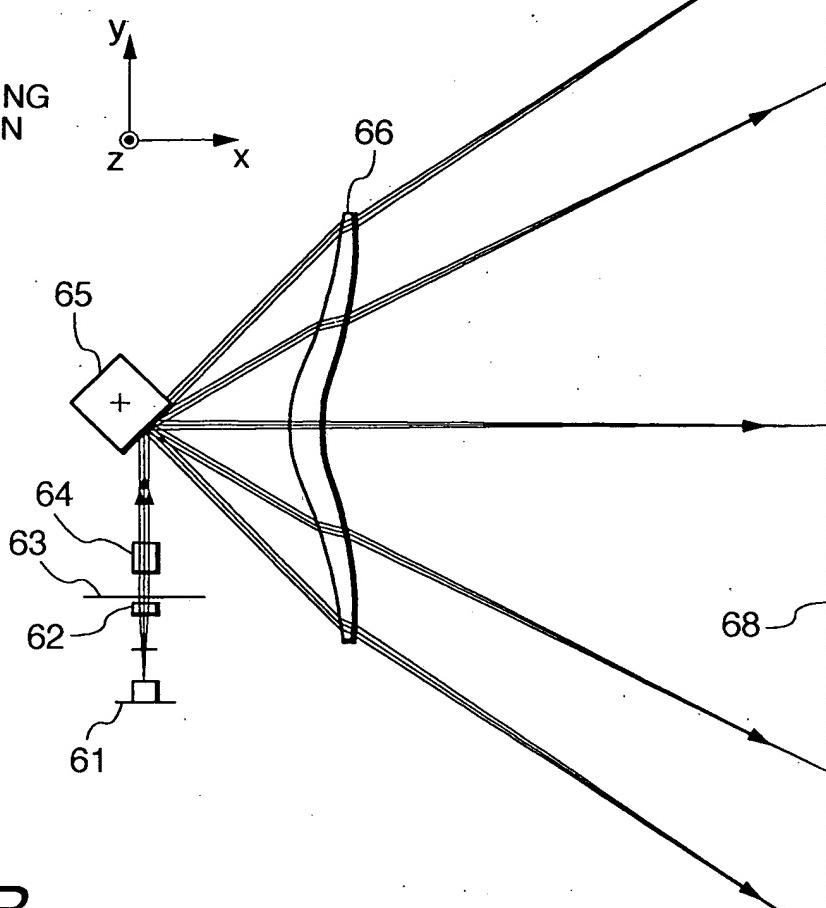
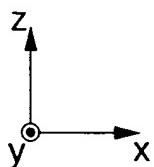
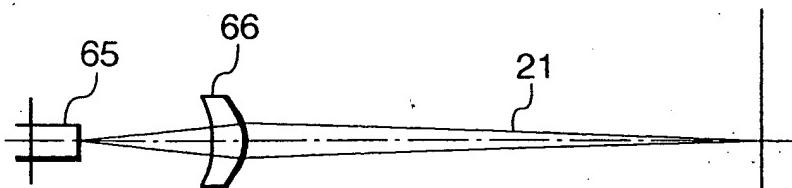


FIG. 2B

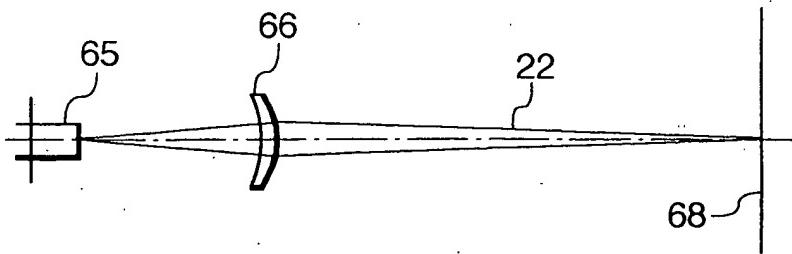
SUB SCANNING SECTION



(1)
ON-AXIS BEAM



(2)
MOST
OFF-AXIS
BEAM



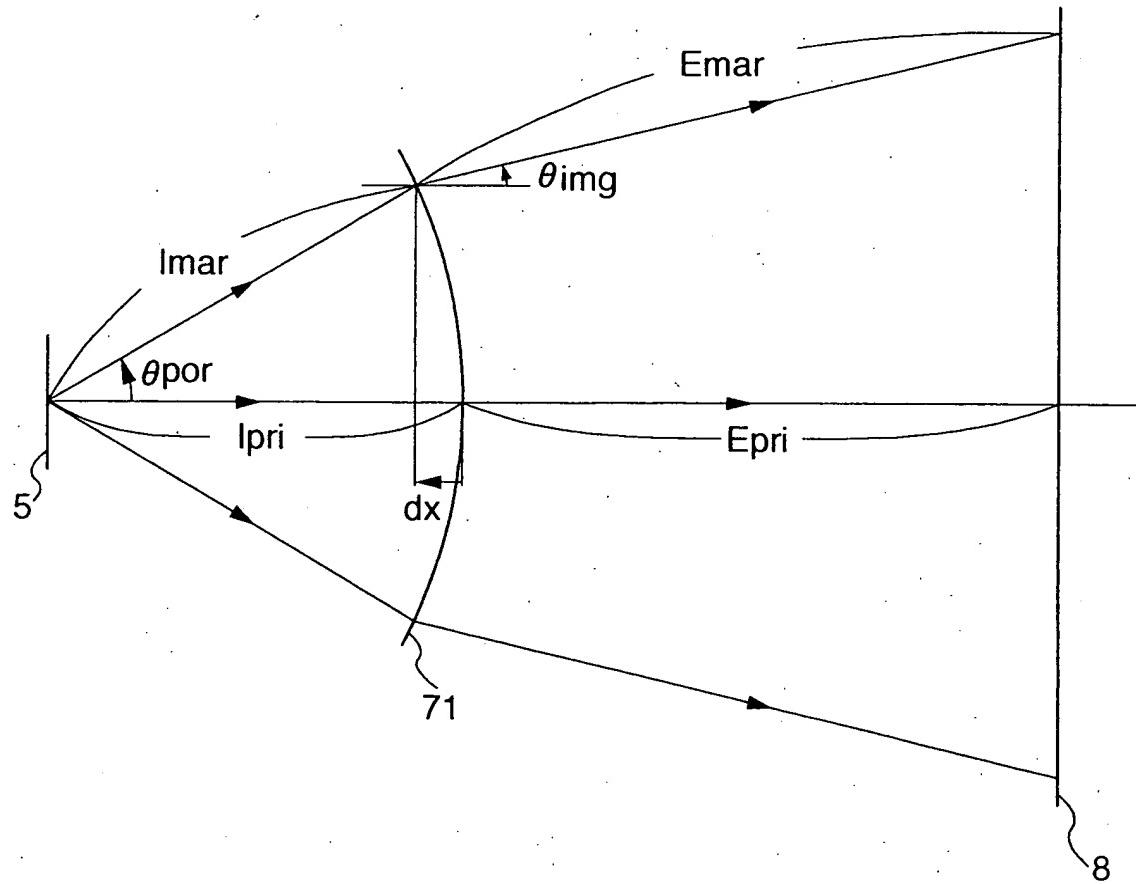
951635

3/31

FIG. 3

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

MAIN SCANNING SECTION



951635

4/31

FIG. 4A

MAIN
SCANNING
SECTION

APPROVED	O.G. FIG.
CLASS	SUBCLASS
BY	
DRAFTSMAN	

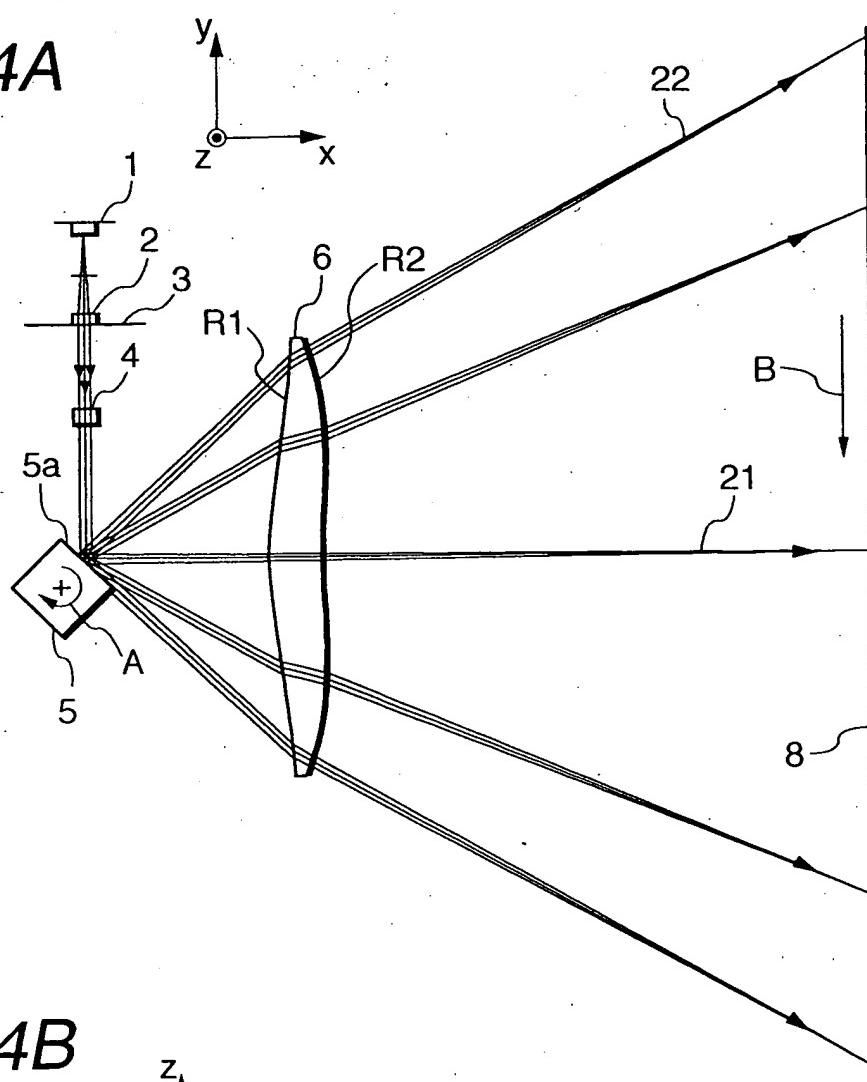
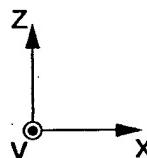
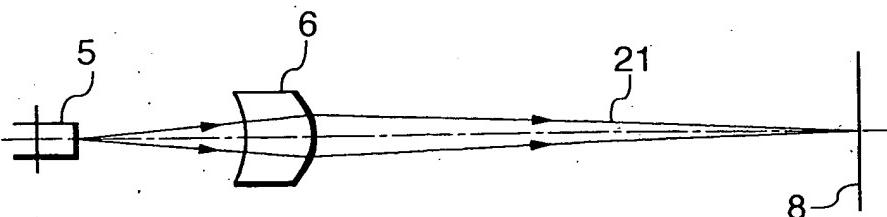


FIG. 4B

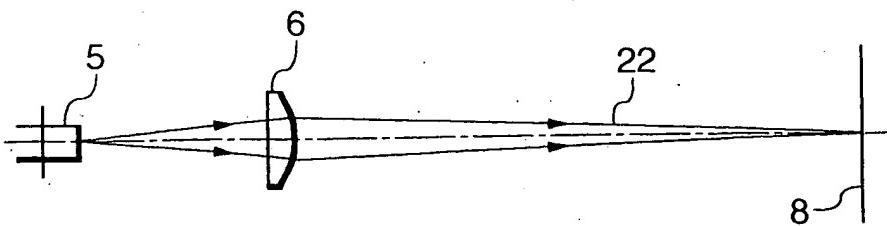
SUB SCANNING
SECTION



(1)
ON-AXIS BEAM



(2)
MOST
OFF-AXIS BEAM



APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

FIG. 5

CHANGE OF CURVATURE IN SUB SCANNING DIRECTION
DUE TO IMAGE HEIGHT

—○— R1
—▲— R2

CURVATURE IN SUB SCANNING
DIRECTION (1/mm)

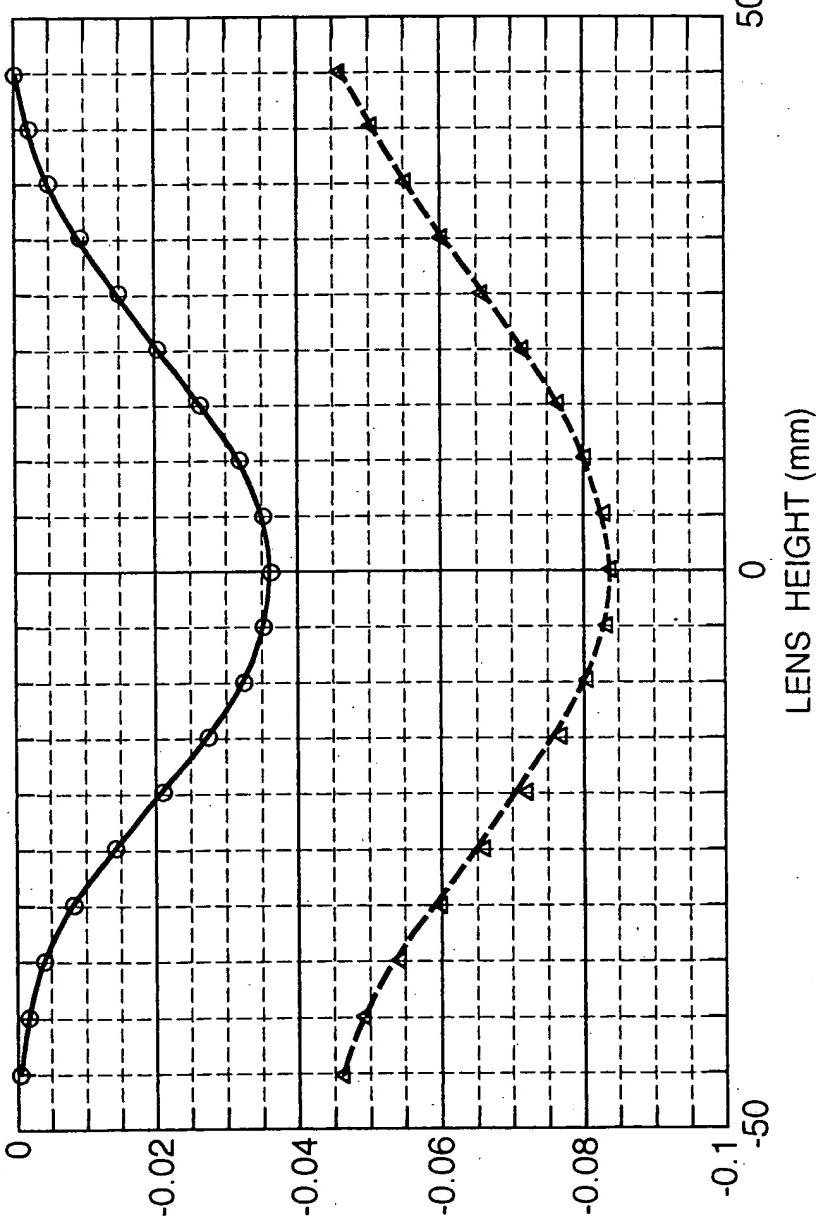


FIG. 6

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

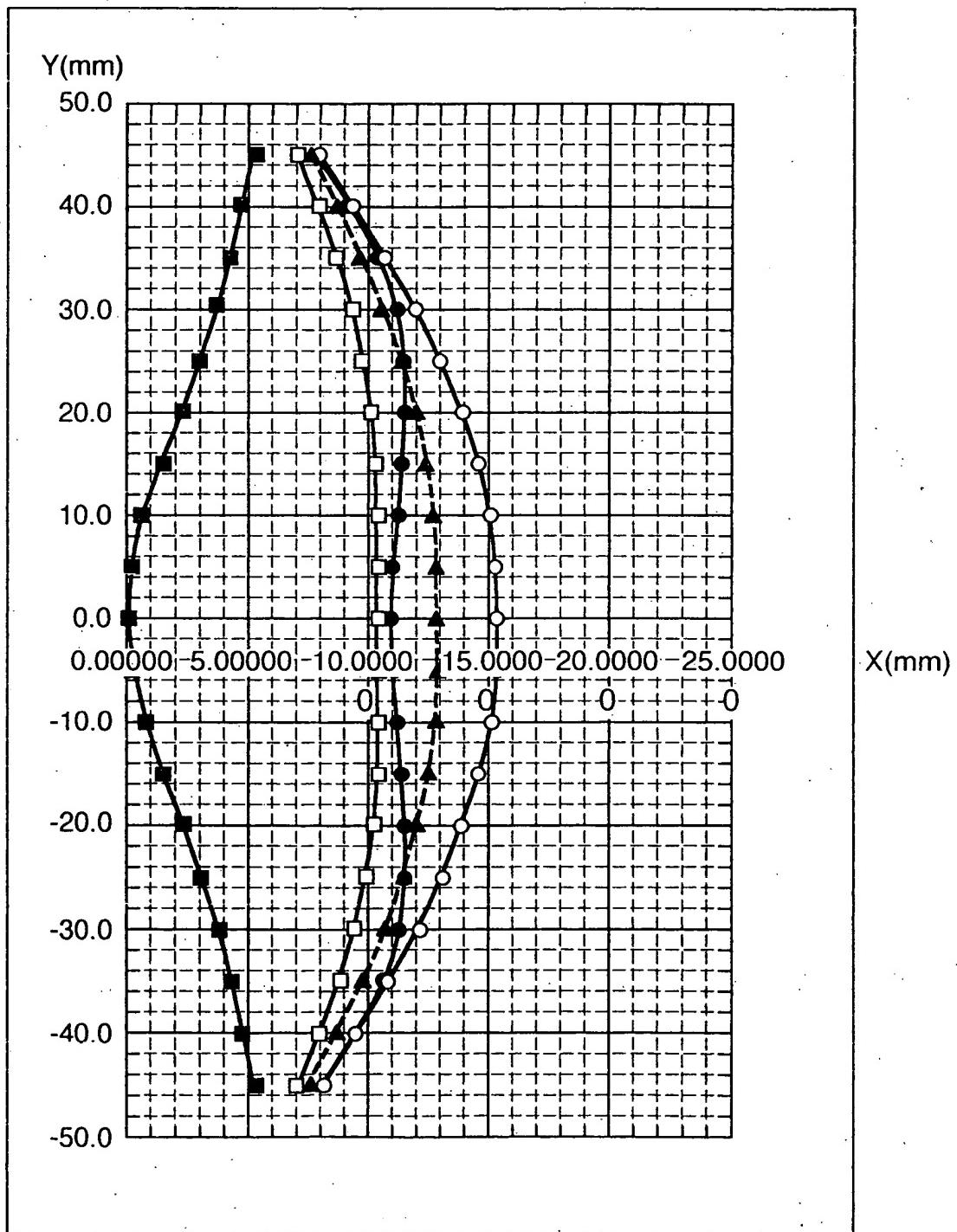
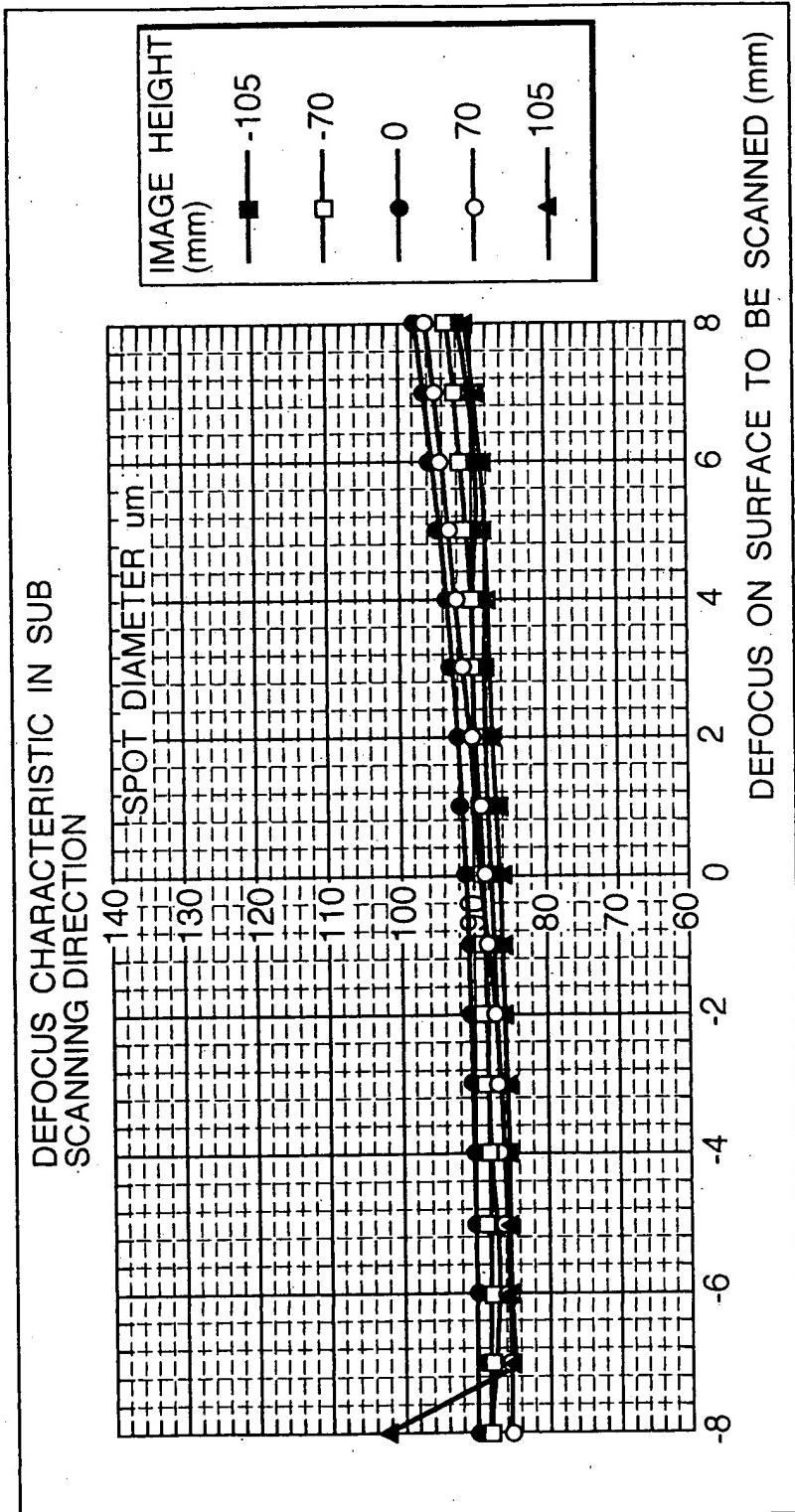


FIG. 7

APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS



8/31

FIG. 8A

MAIN
SCANNING
SECTION

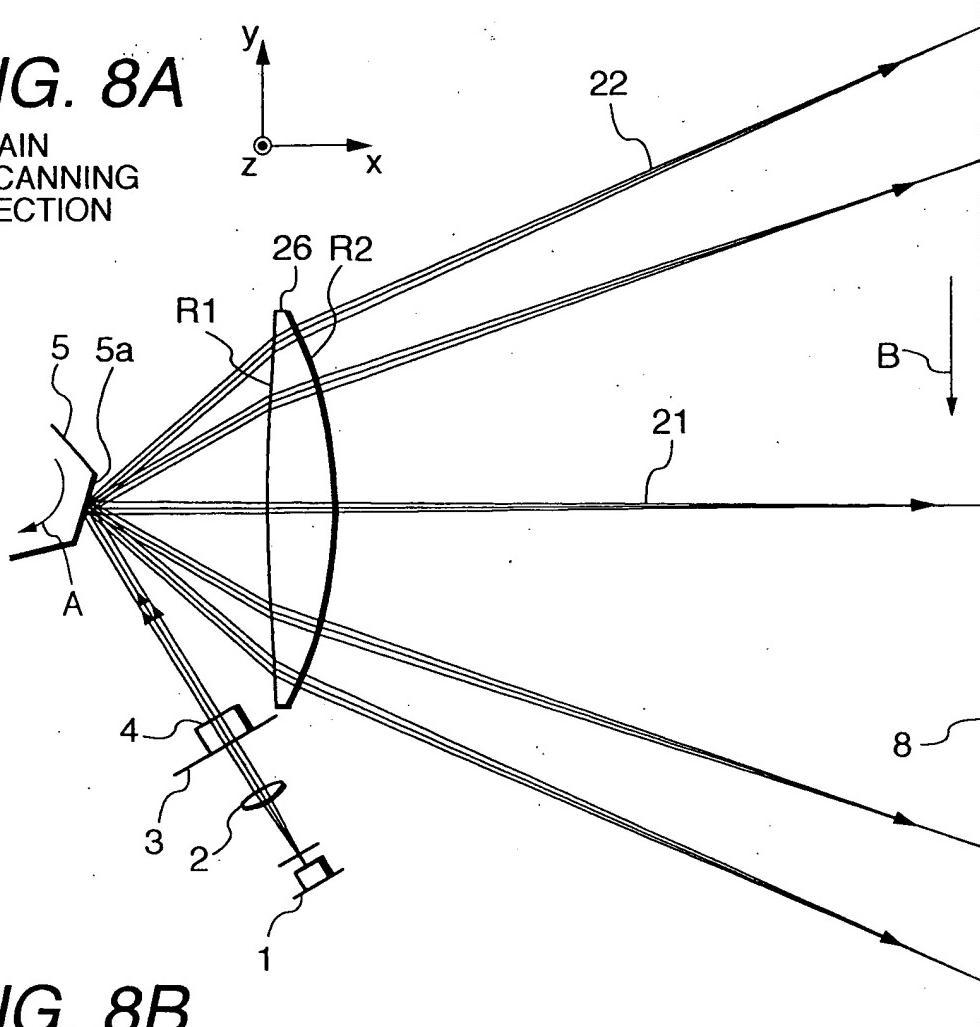
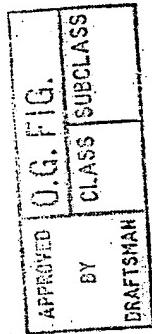
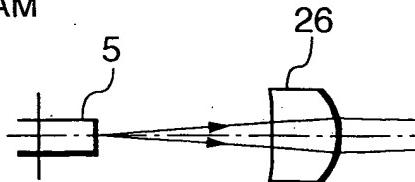


FIG. 8B

SUB SCANNING
SECTION

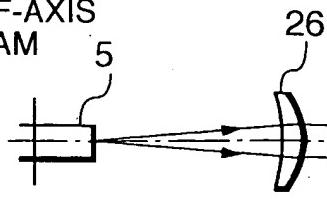
(1)

ON-AXIS BEAM



(2)

MOST
OFF-AXIS
BEAM

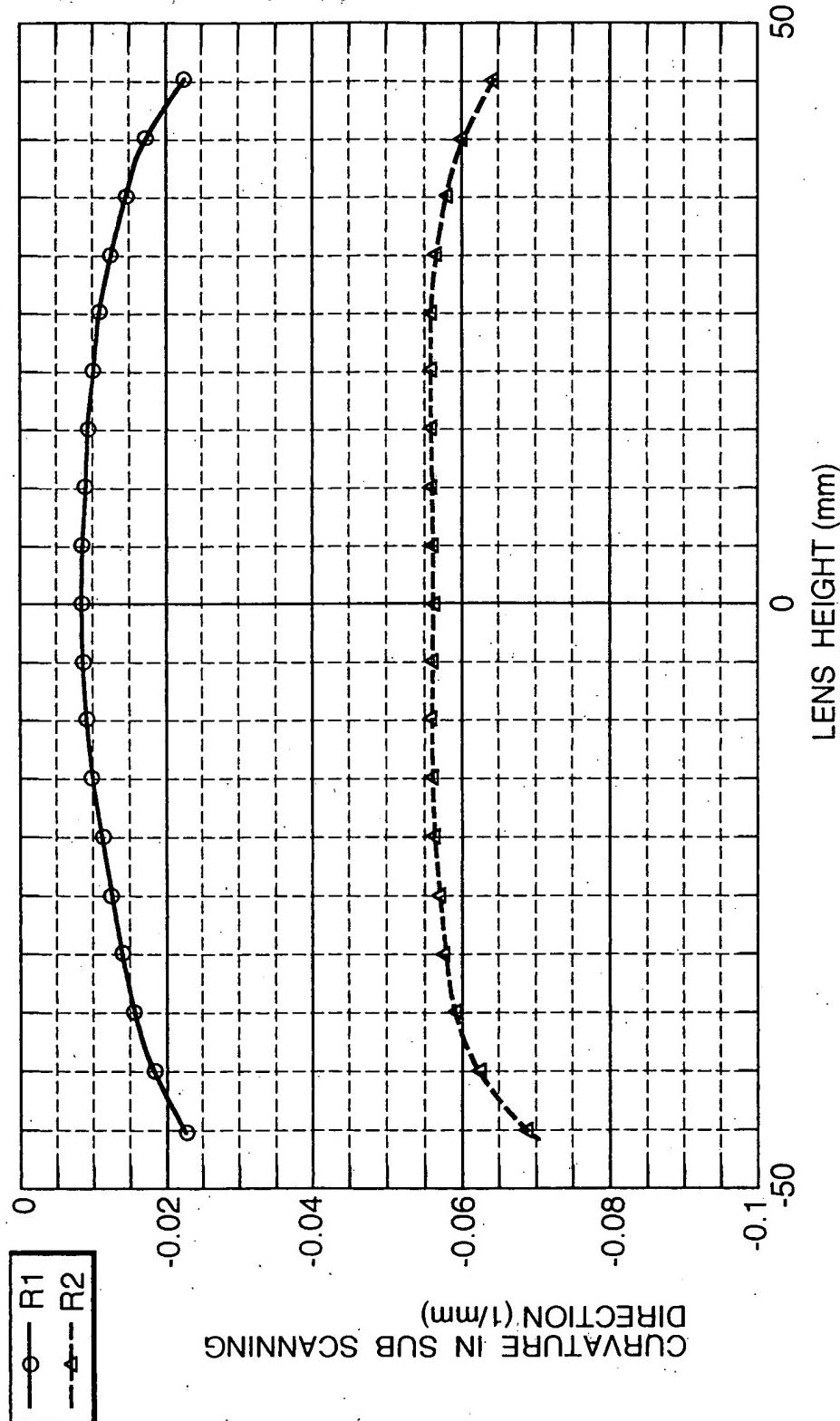


9/31

APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

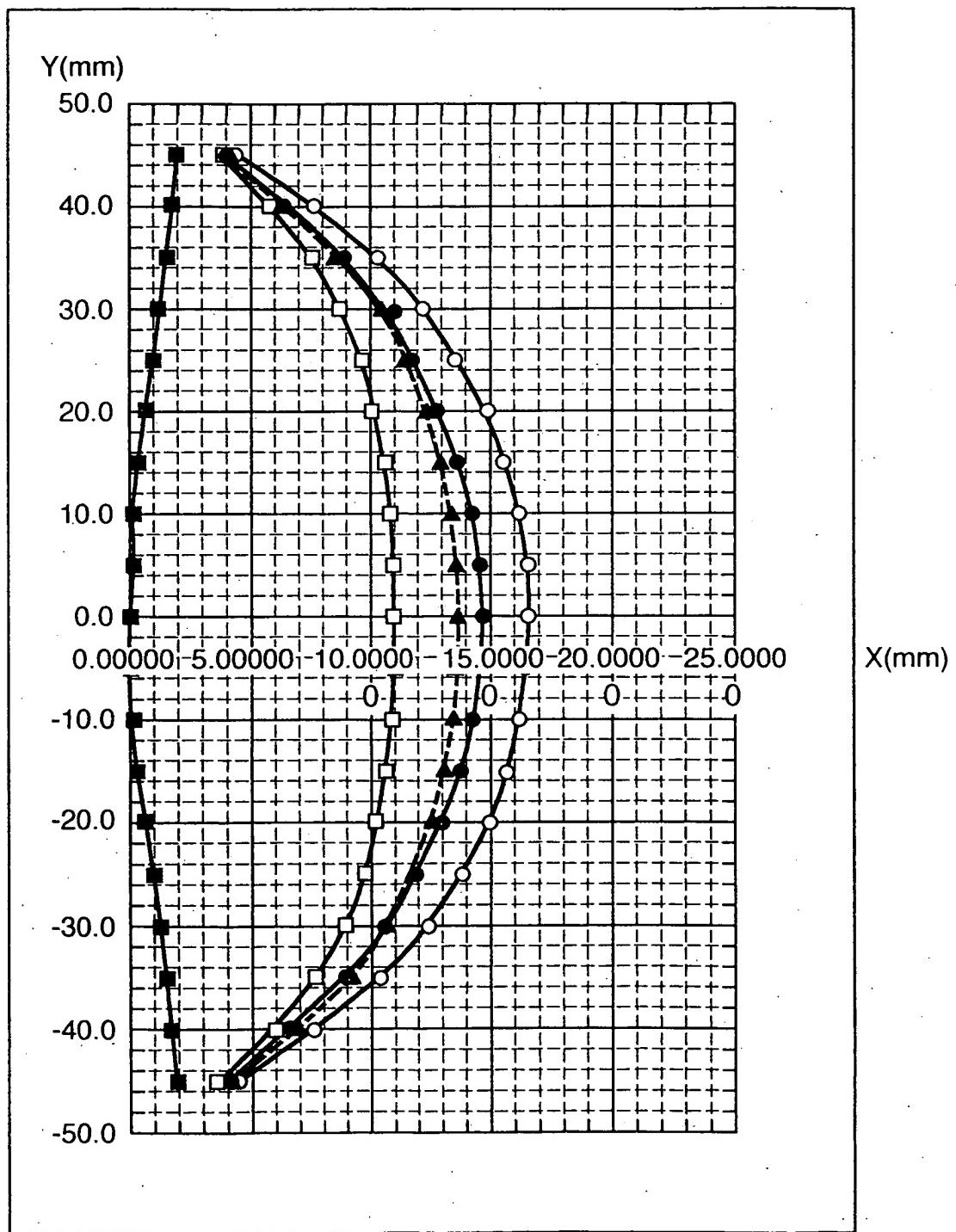
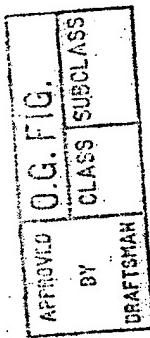
FIG. 9

CHANGE OF CURVATURE IN SUB SCANNING DIRECTION
DUE TO IMAGE HEIGHT



10/31

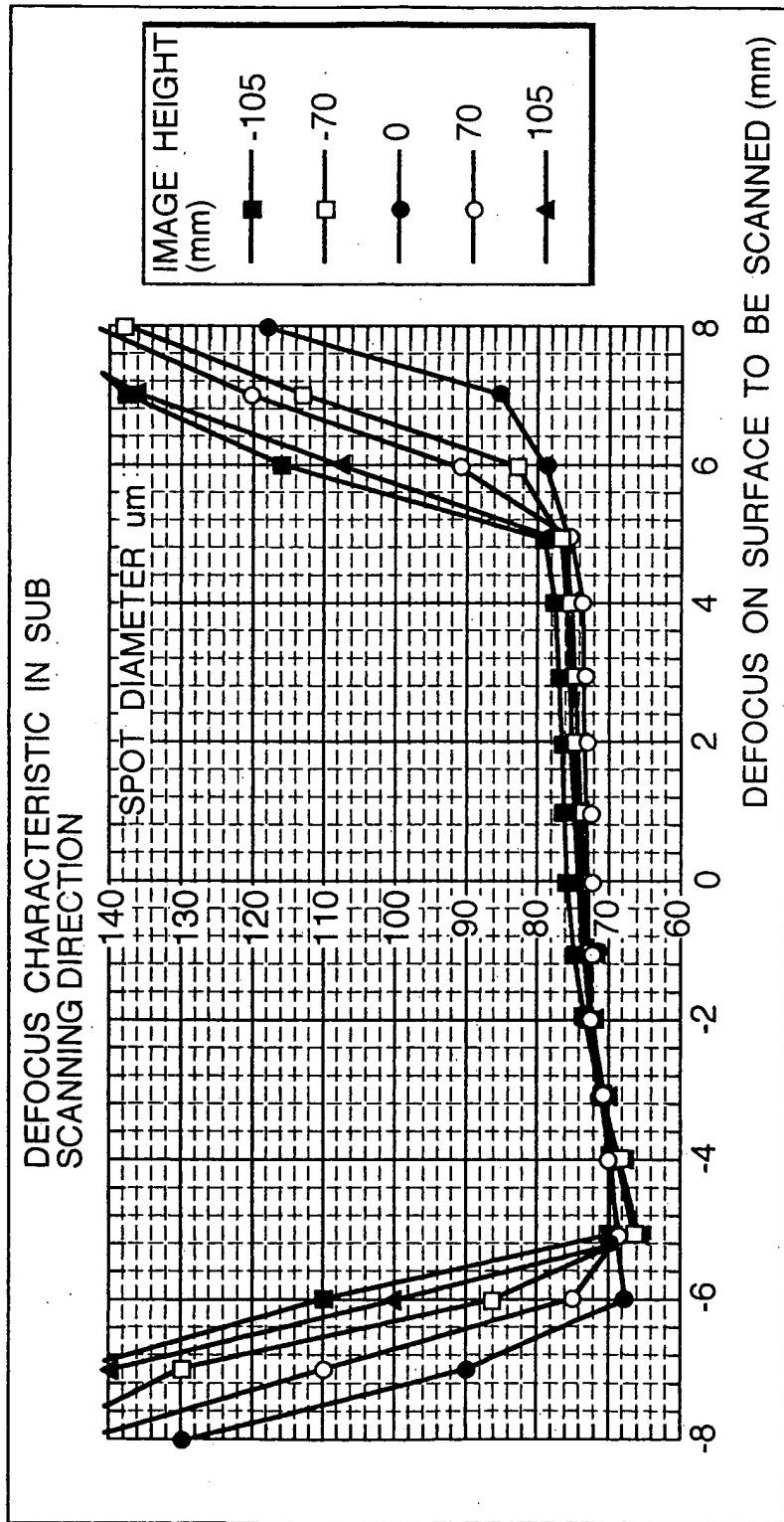
FIG. 10



11/31

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

FIG. 11



12/31

FIG. 12A

MAIN
SCANNING
SECTION

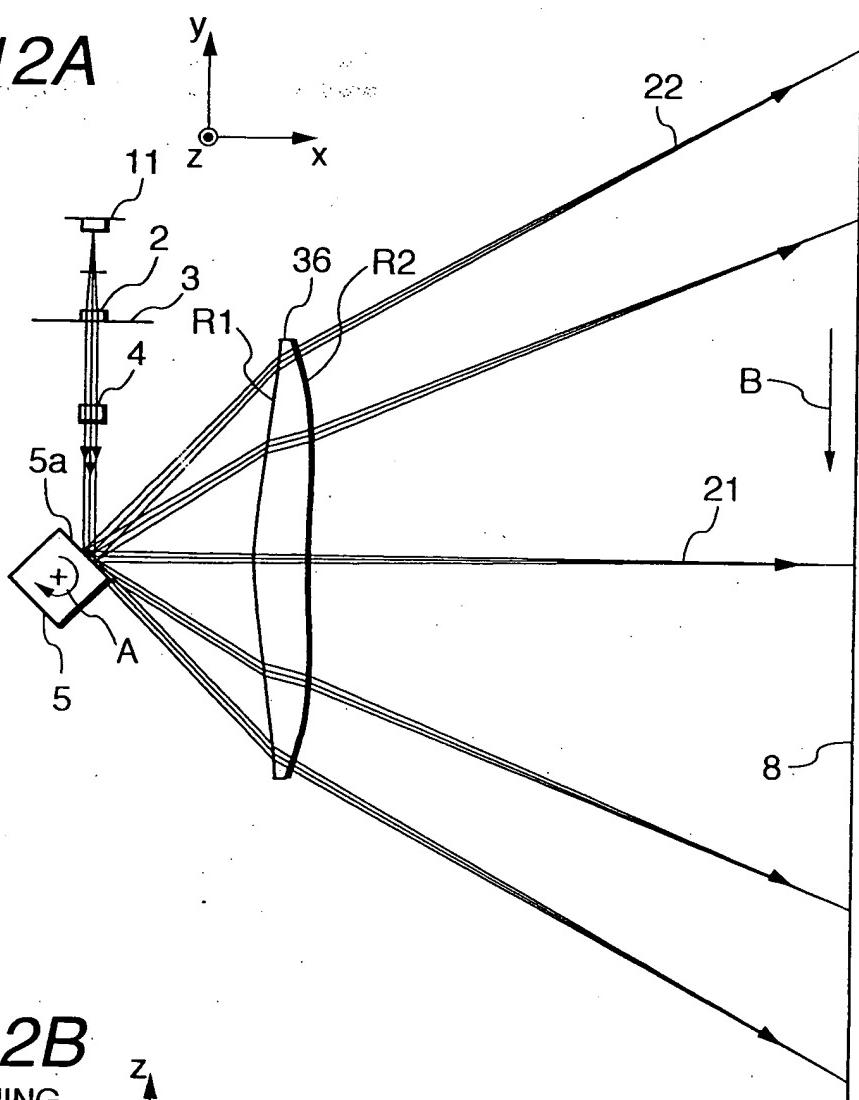
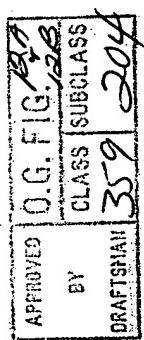
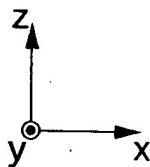


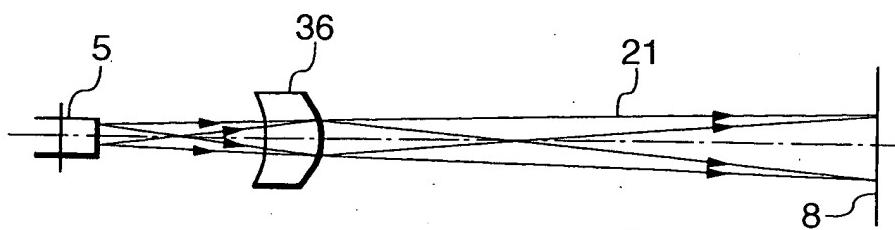
FIG. 12B

SUB SCANNING
SECTION



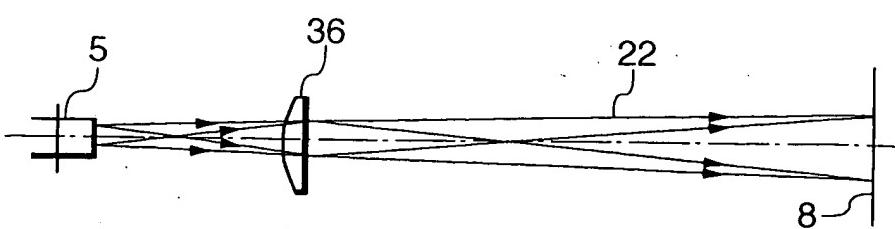
(1)

ON-AXIS BEAM



(2)

MOST
OFF-AXIS
BEAM



APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

FIG. 13

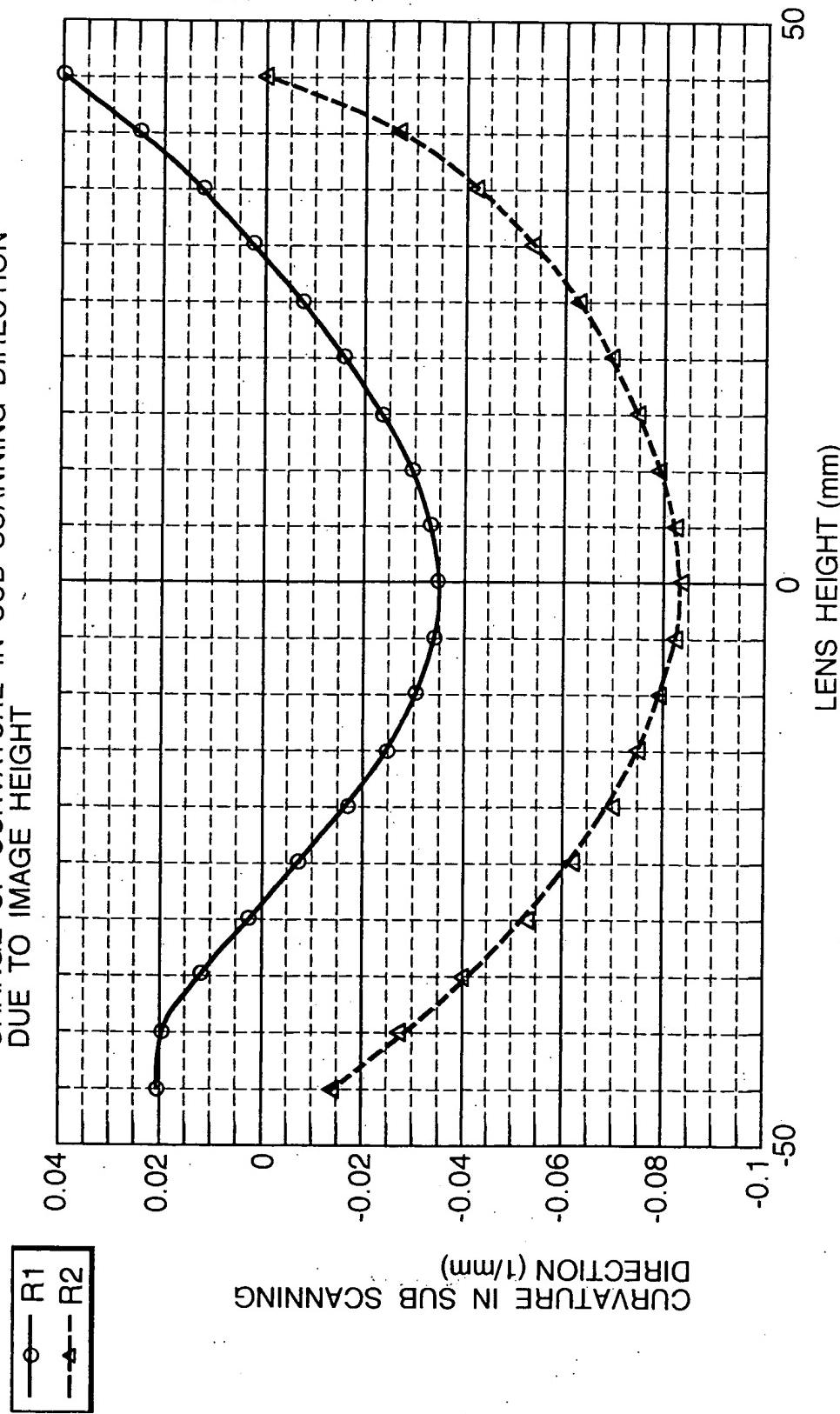
CHANGE OF CURVATURE IN SUB SCANNING DIRECTION
DUE TO IMAGE HEIGHT

FIG. 14

APPROVED	O.G. FIG.
BY	CLASS. SUBCLASS
CRAFTSMAN	

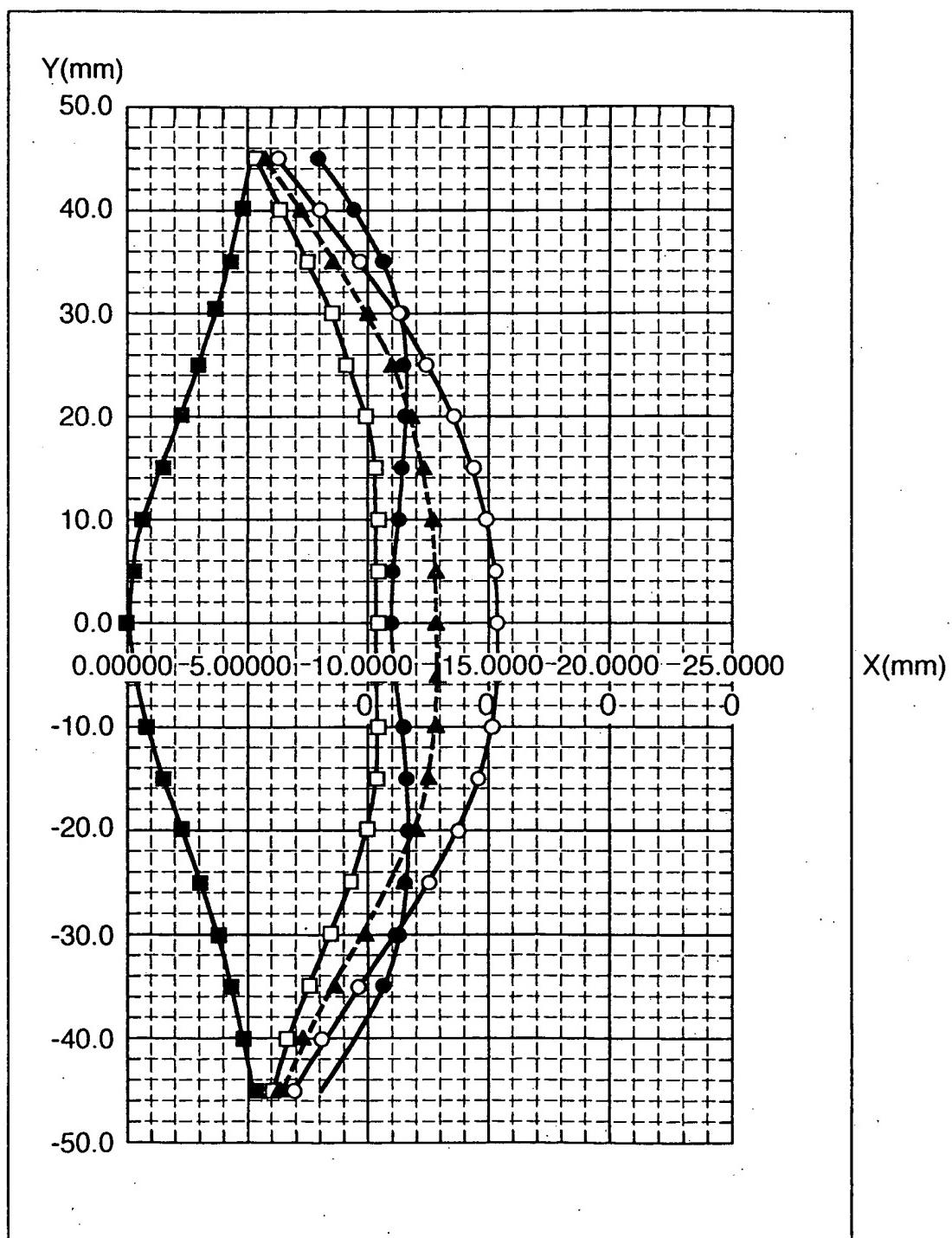
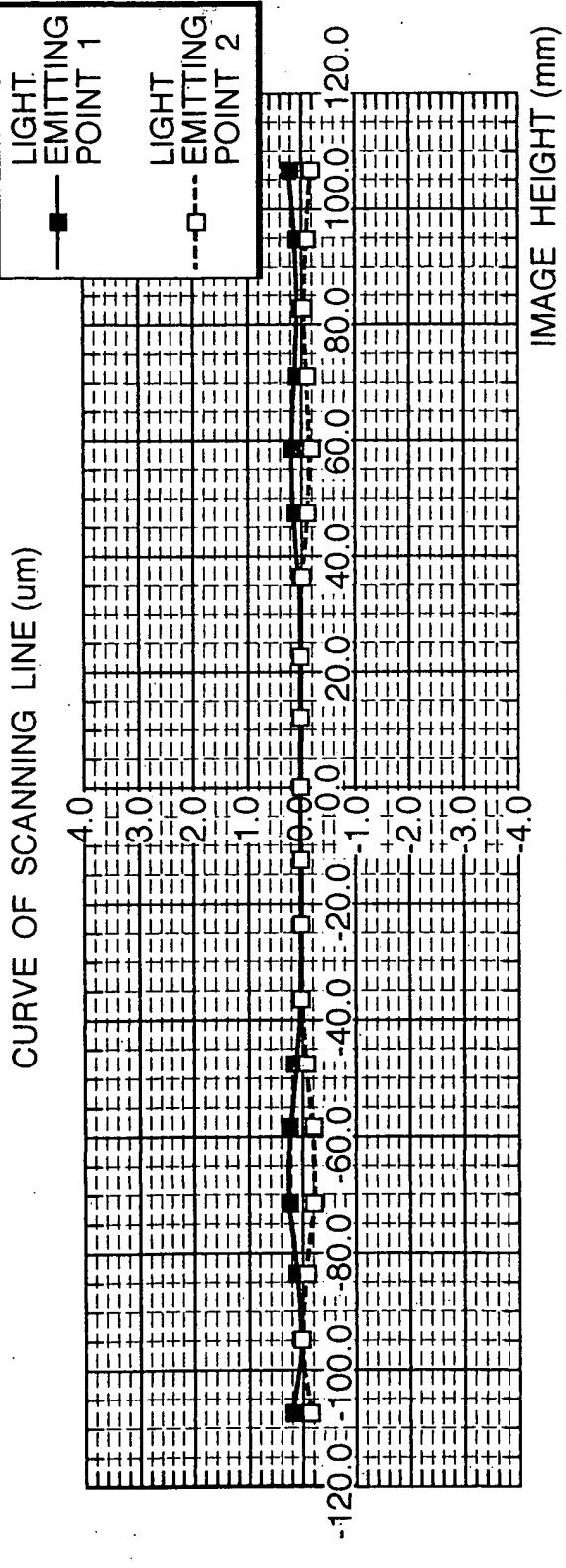


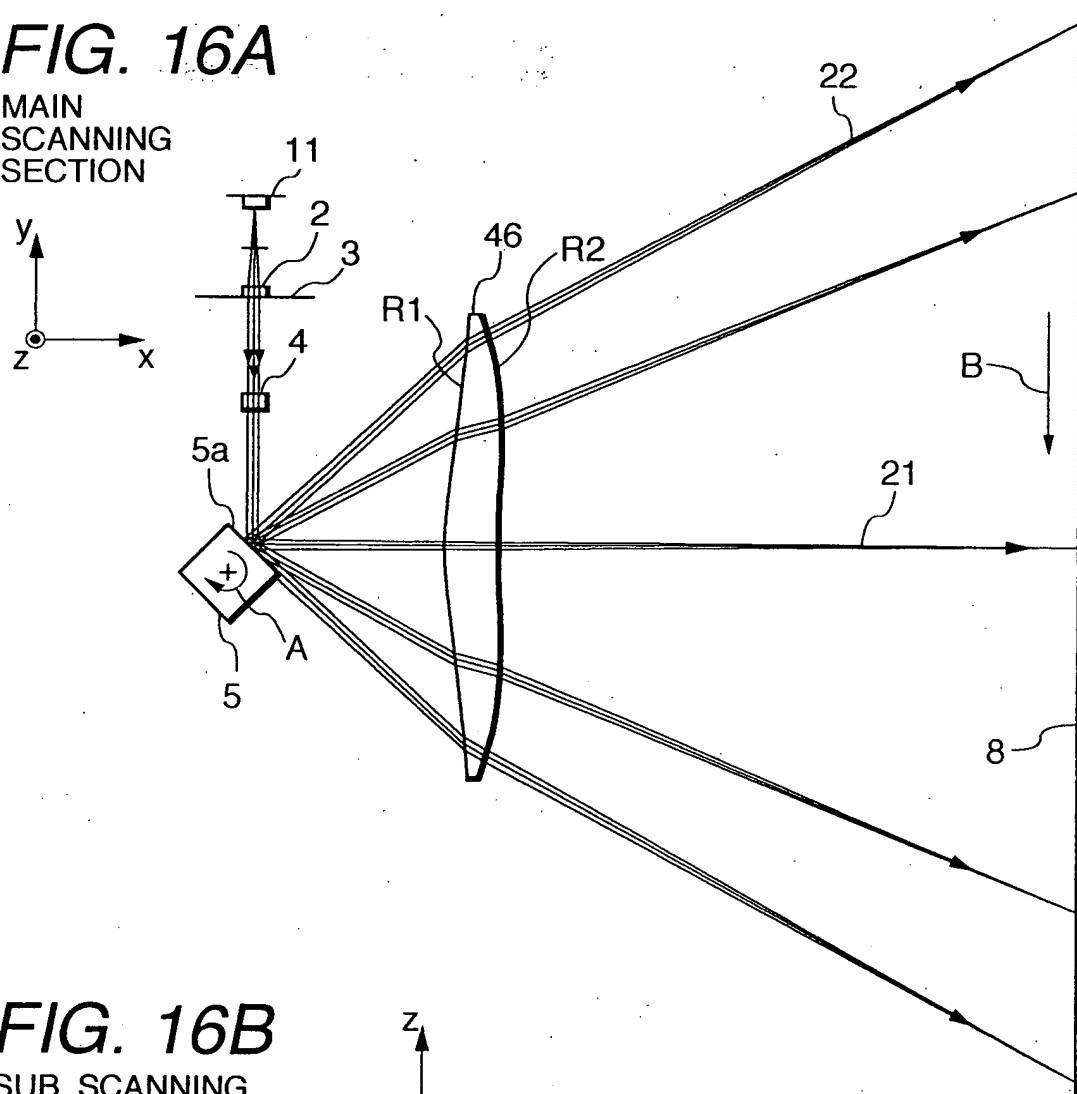
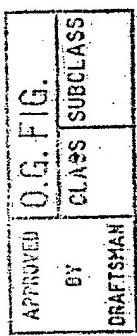
FIG. 15



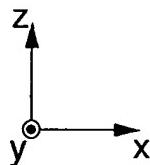
APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

FIG. 16A

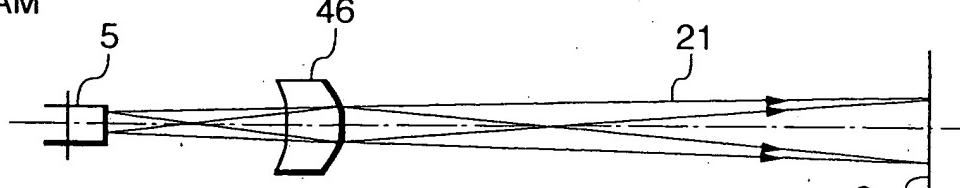
MAIN
SCANNING
SECTION

**FIG. 16B**

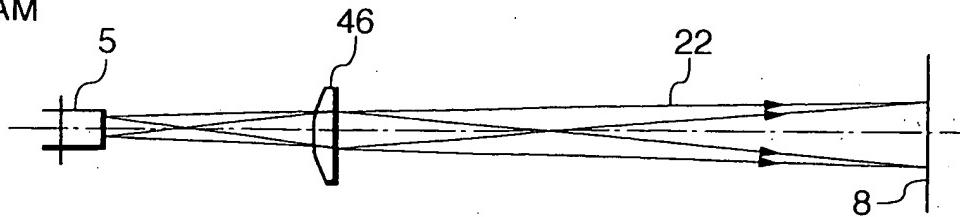
SUB SCANNING
SECTION



(1) ON-AXIS
BEAM



(2) MOST
OFF-AXIS
BEAM



17/31

FIG. 17

APPROVED	O.G.	FIG.
BY	CLASS	SUBCLASS
DRAFSMAN		

CHANGE OF SUB SCANNING Fno

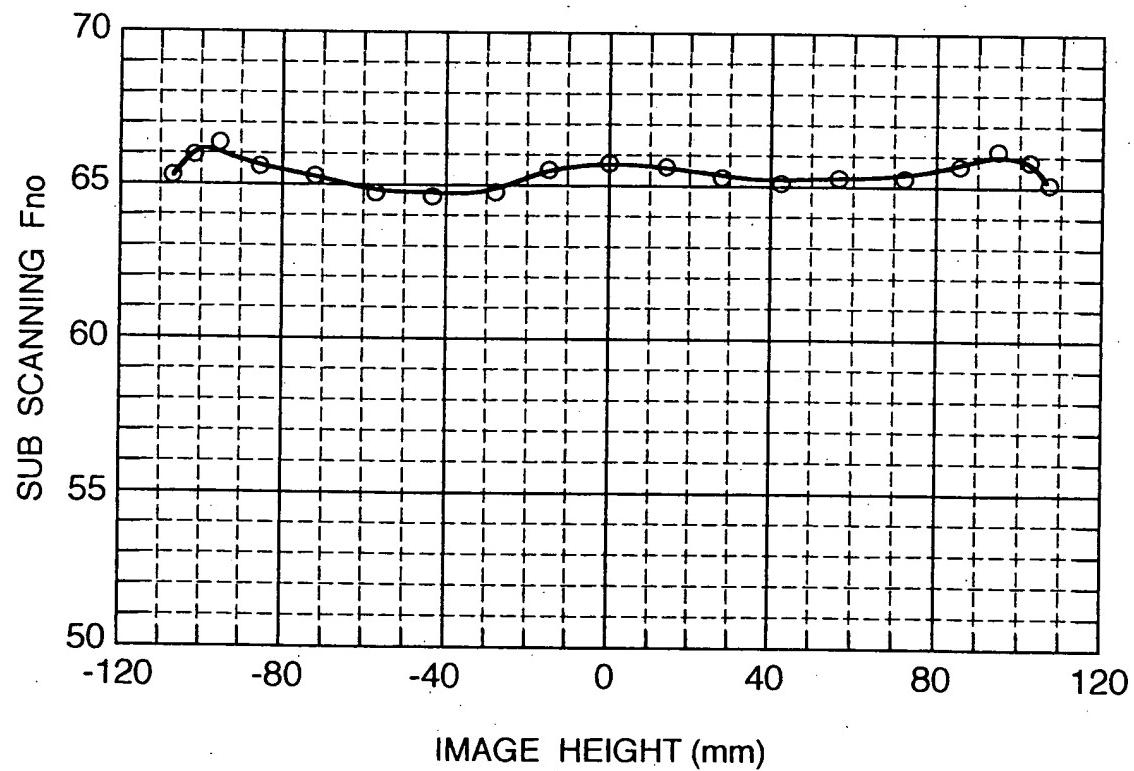
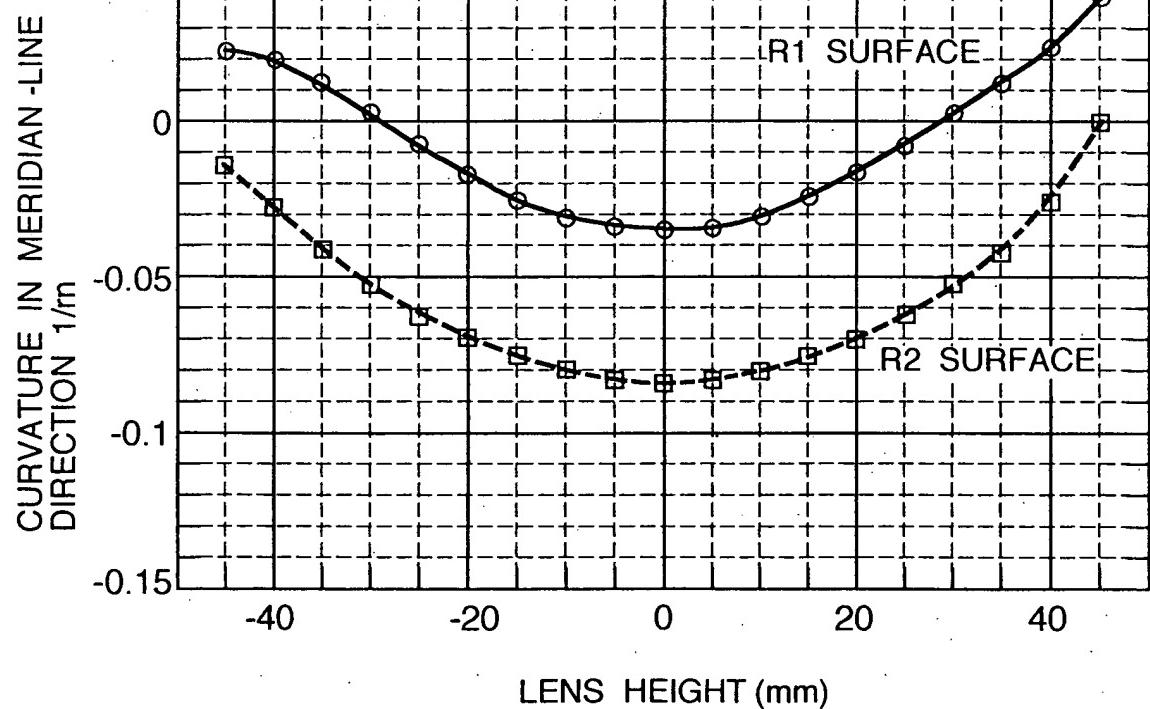


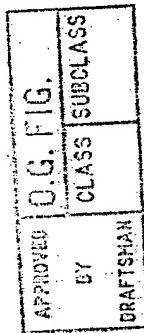
FIG. 18

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	



19/31

FIG. 19



CURVE OF SCANNING LINE DUE TO BEAMS
FROM DIFFERENT EMITTING POINTS.

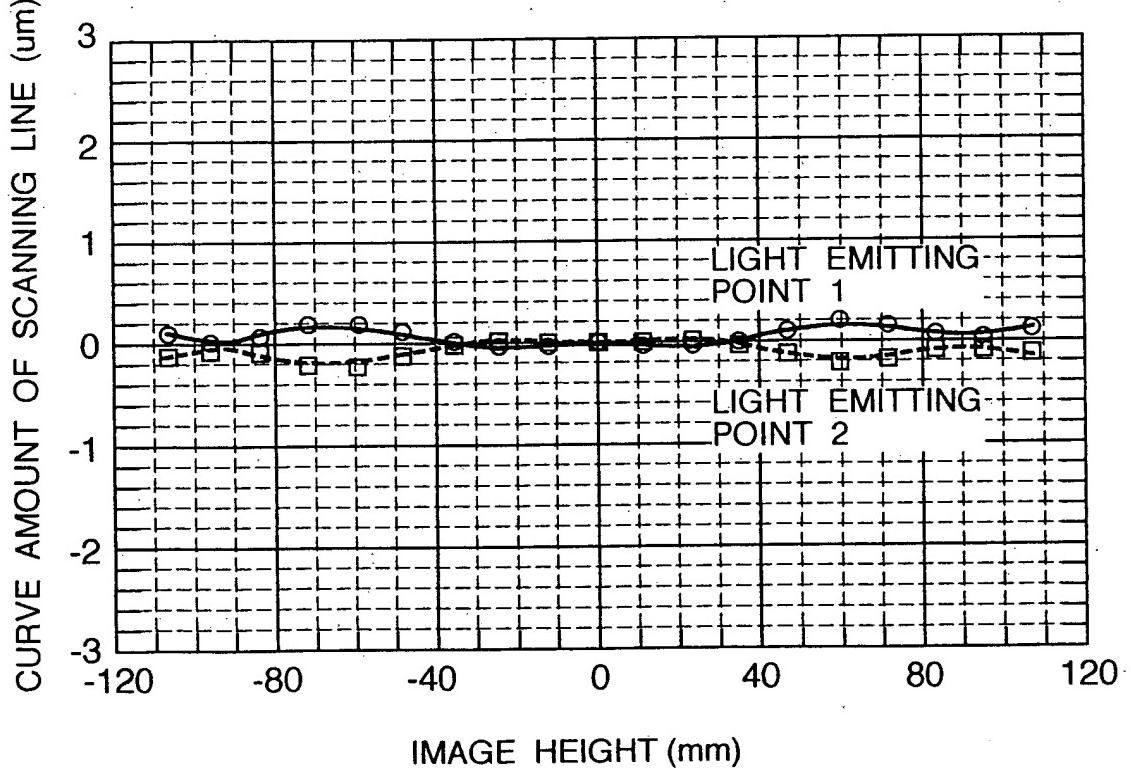
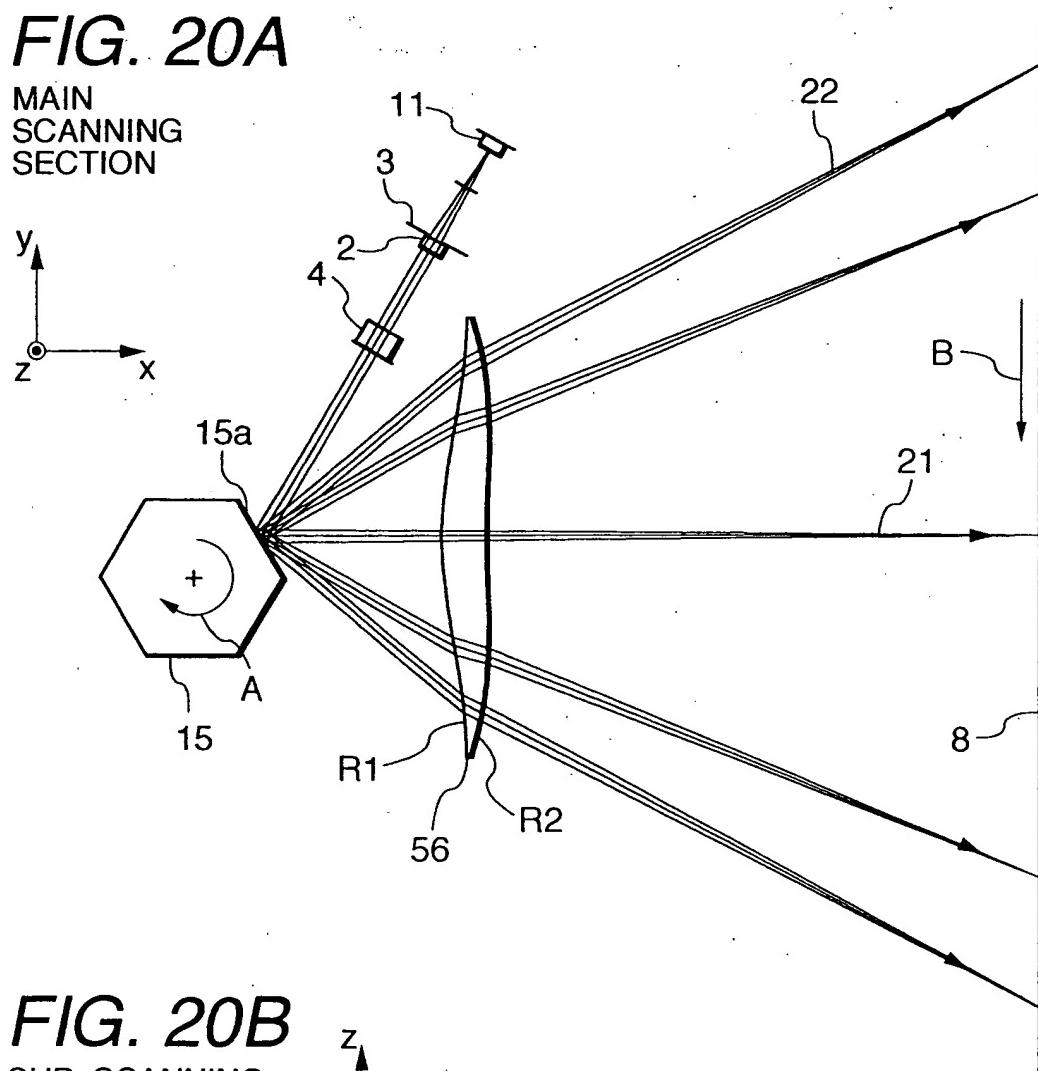
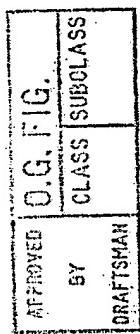


FIG. 20A

MAIN SCANNING SECTION

**FIG. 20B**

SUB SCANNING SECTION

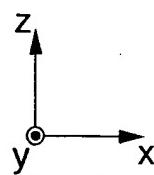
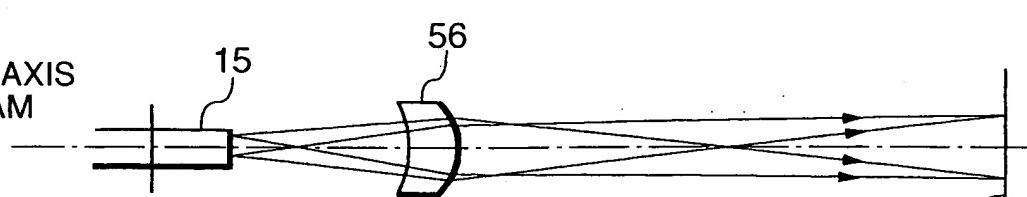
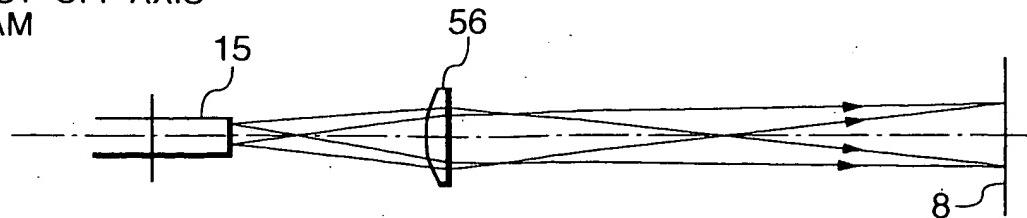
(1)
ON-AXIS BEAM(2)
MOST OFF-AXIS BEAM

FIG. 21

APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

CHANGE OF SUB SCANNING Fno

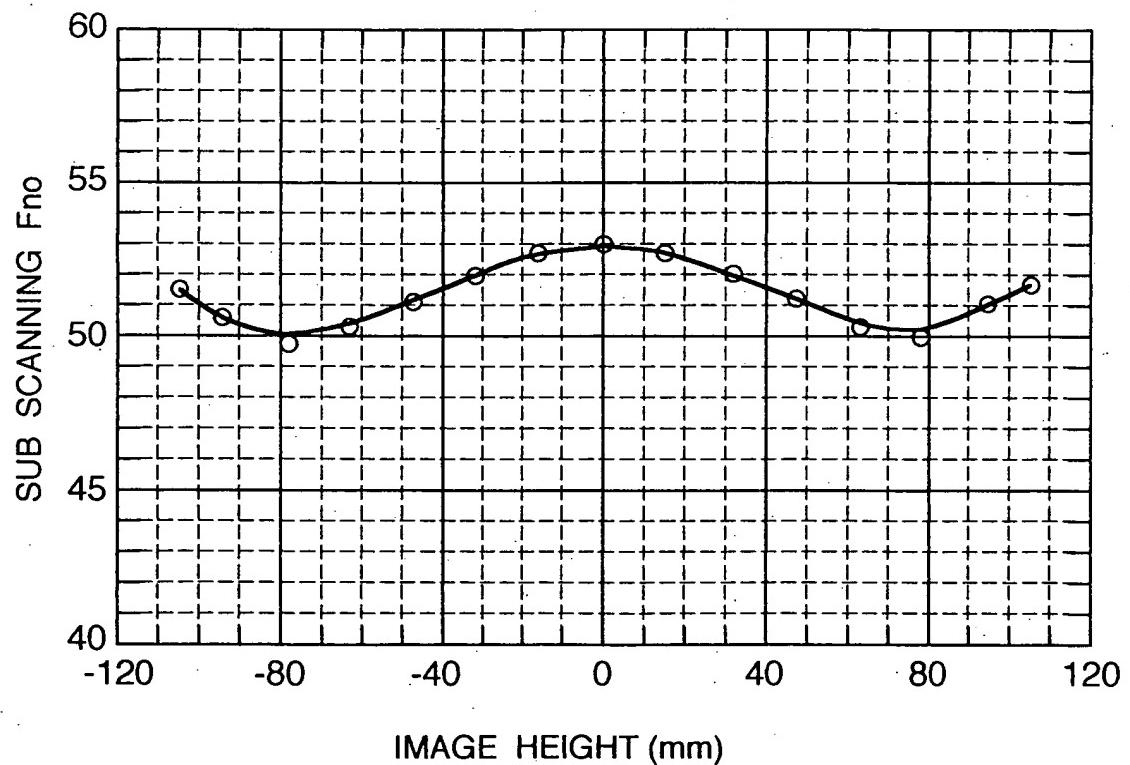


FIG. 22

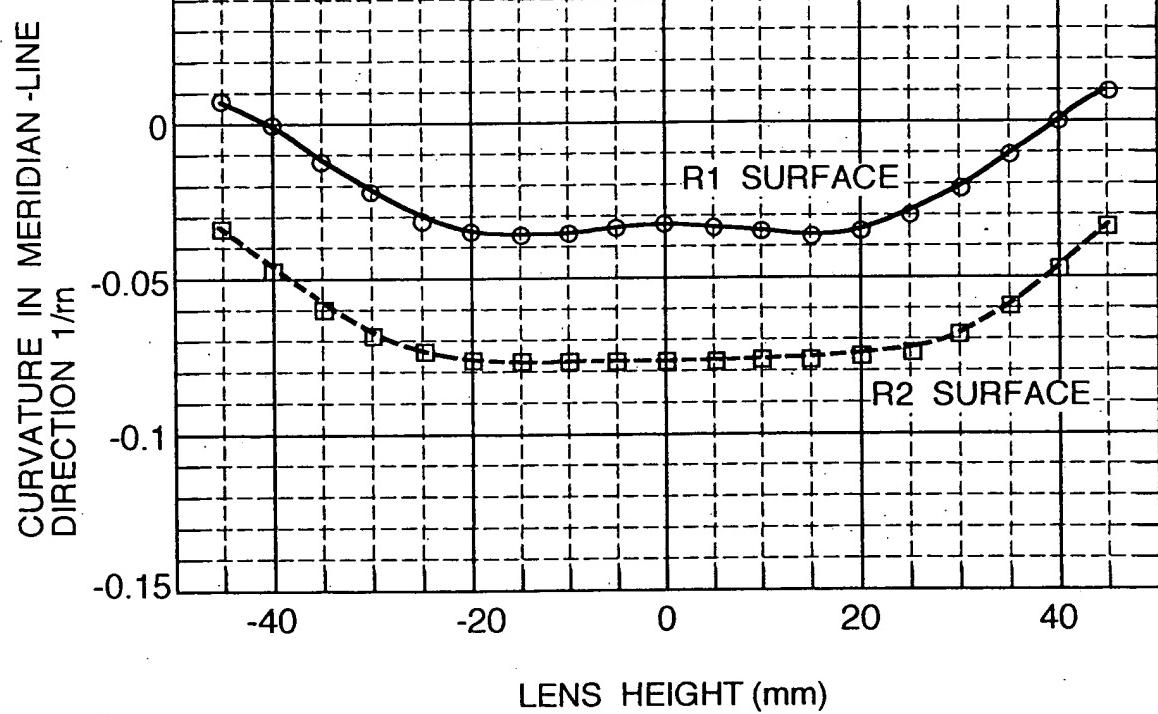
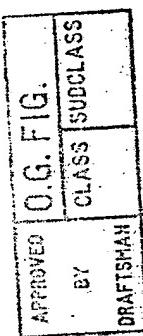


FIG. 23

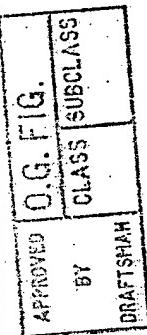
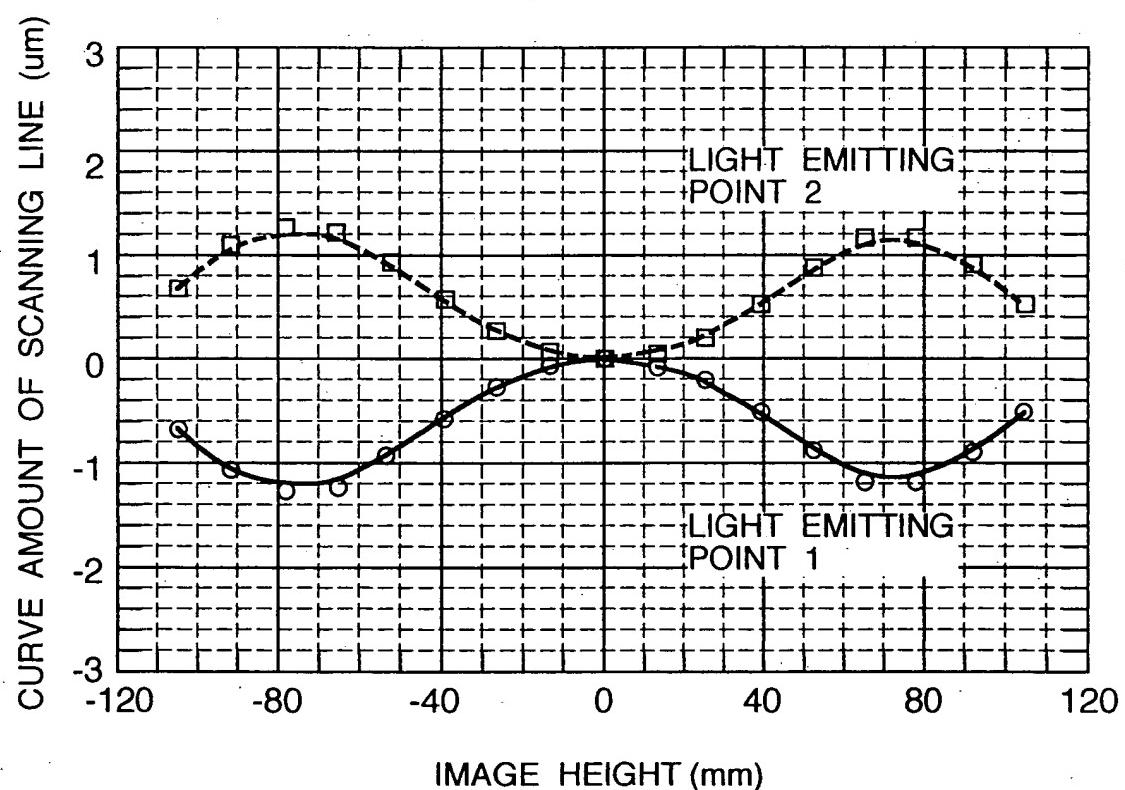
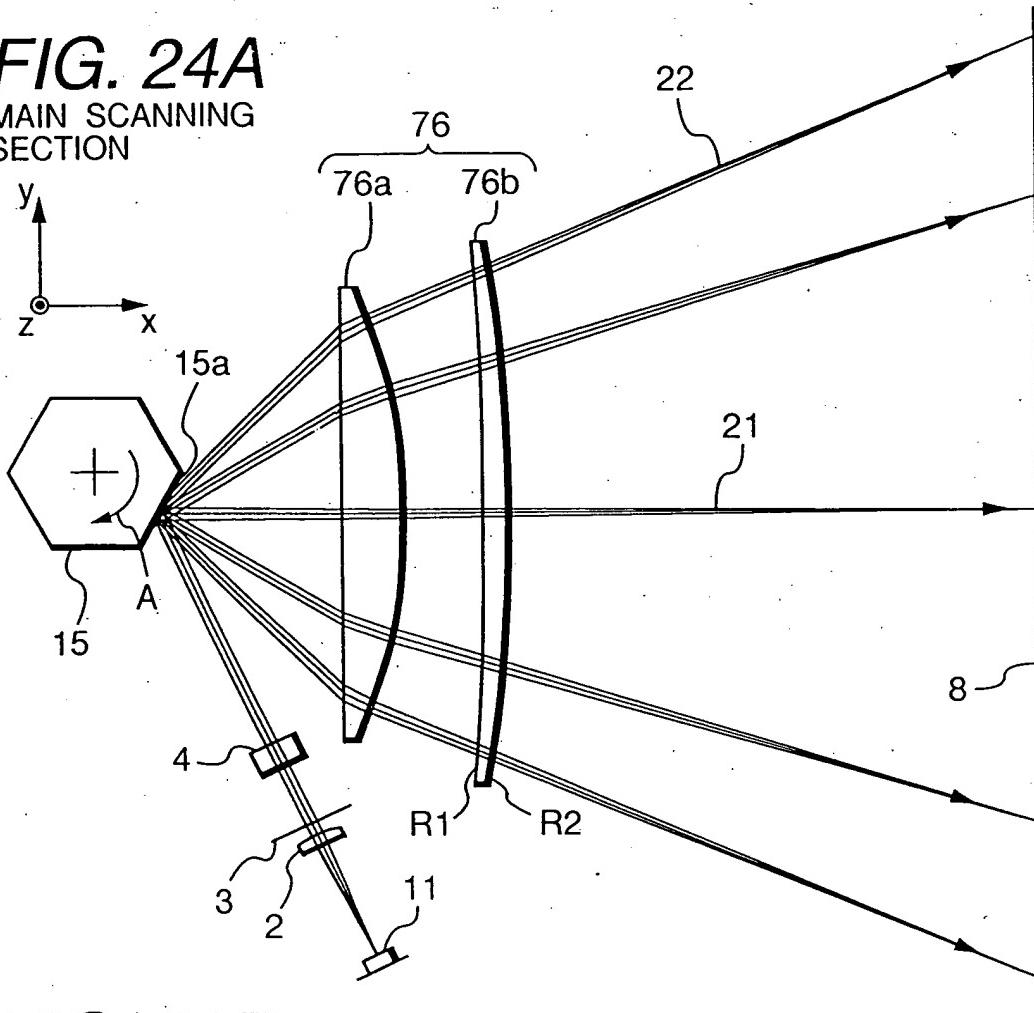
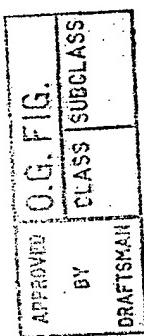
CURVE OF SCANNING LINE DUE TO BEAMS
FROM DIFFERENT EMITTING POINTS

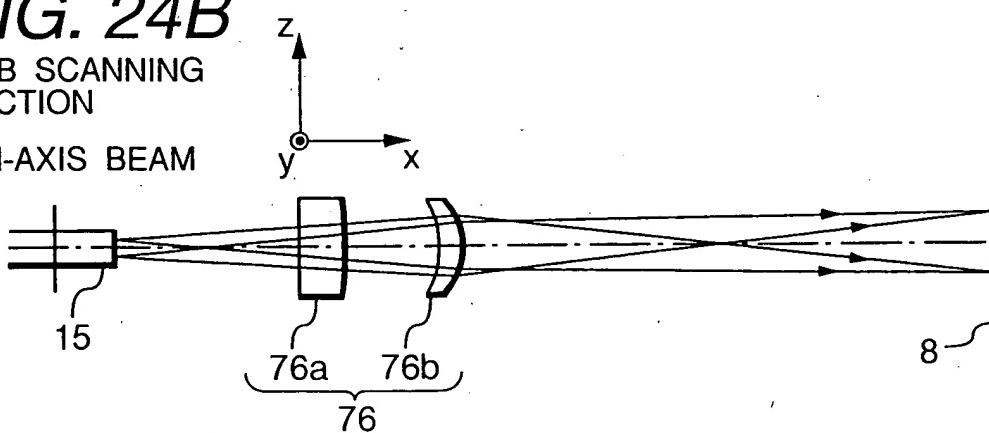
FIG. 24A

MAIN SCANNING SECTION

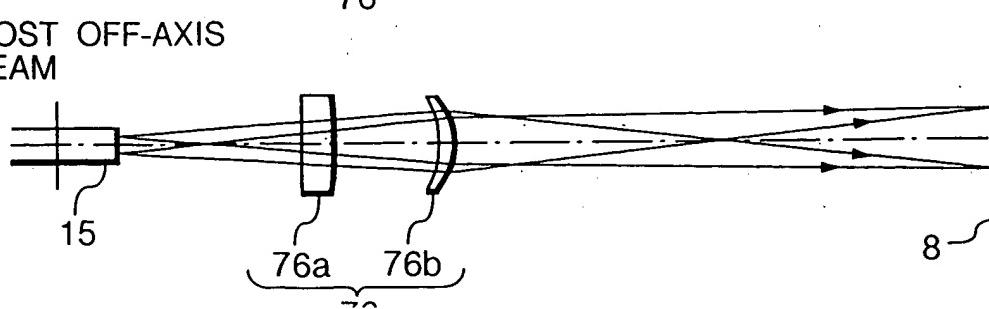
**FIG. 24B**

SUB SCANNING SECTION

(1) ON-AXIS BEAM



(2) MOST OFF-AXIS BEAM

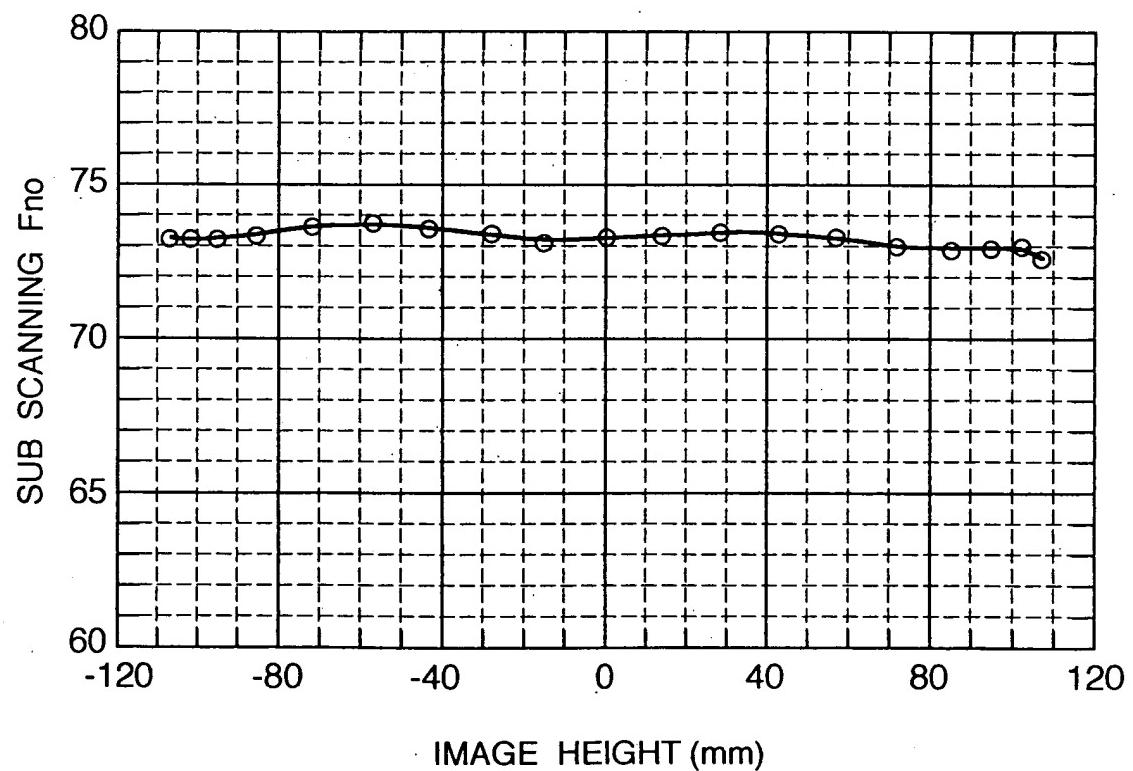


25/31

FIG. 25

APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

CHANGE OF SUB SCANNING Fno



26/31

FIG. 26

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

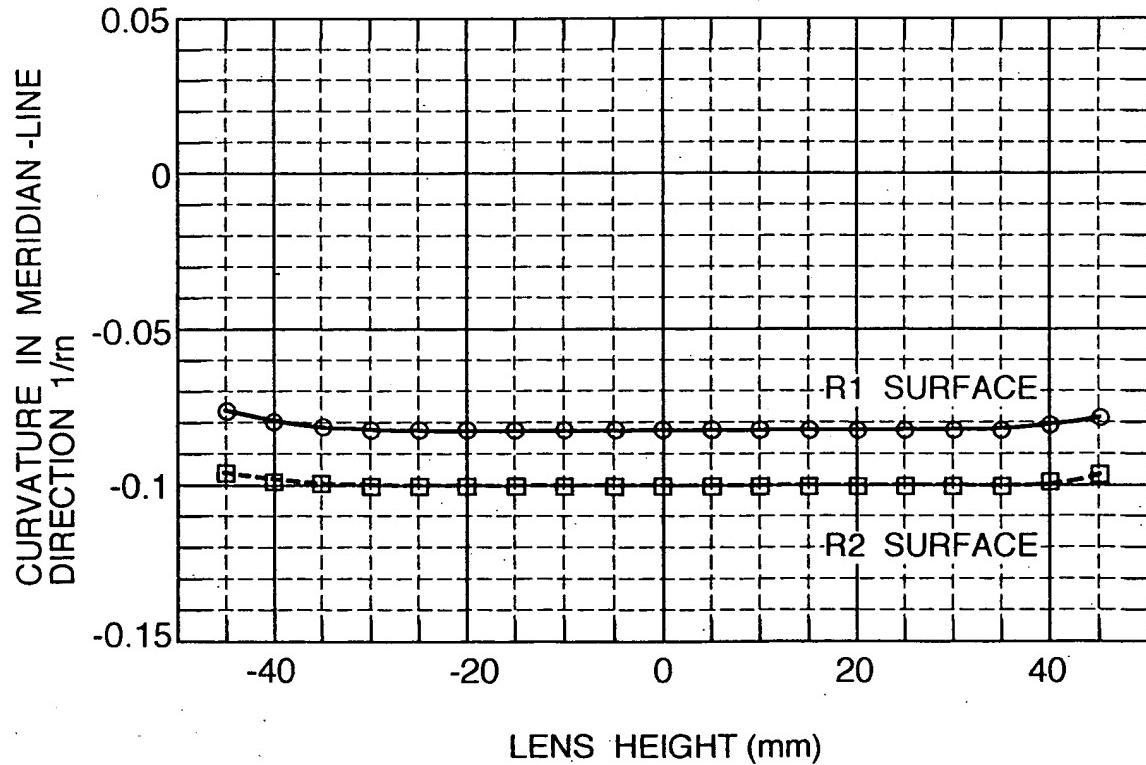
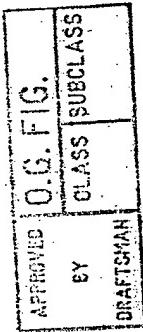


FIG. 27



CURVE OF SCANNING LINE DUE TO BEAMS
FROM DIFFERENT EMITTING POINTS

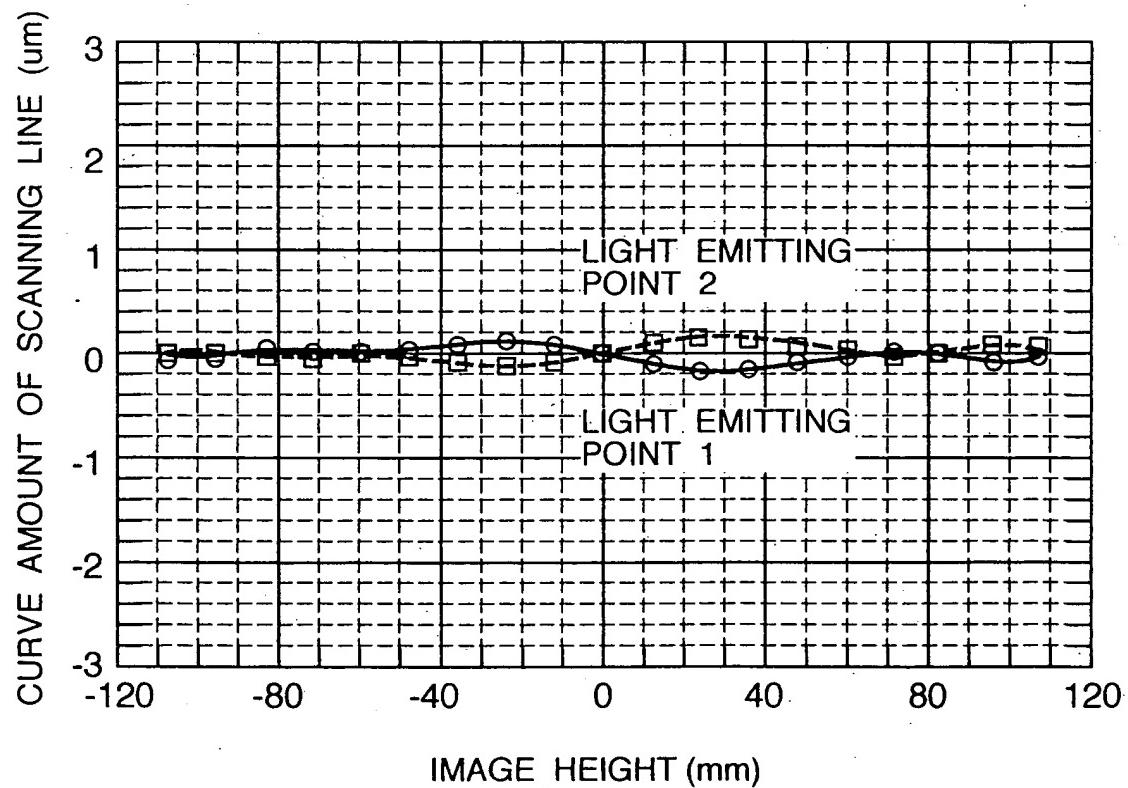
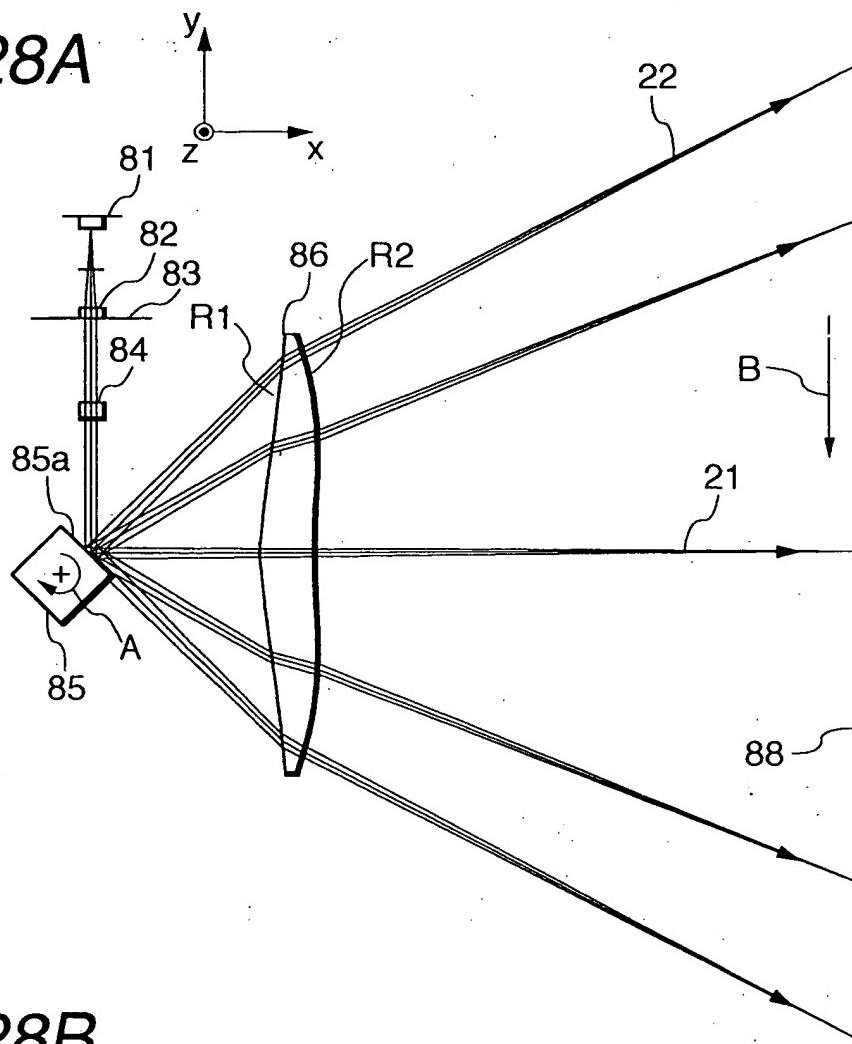
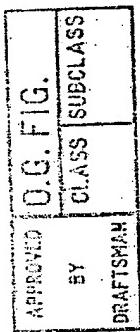
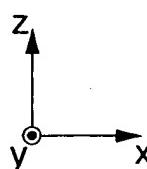
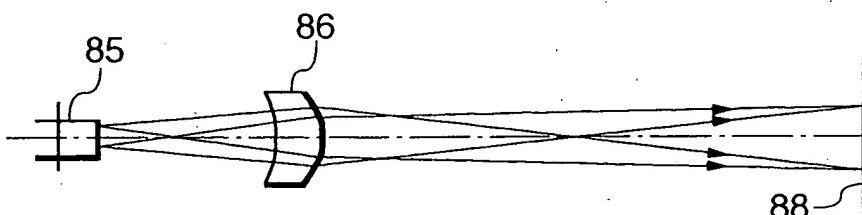


FIG. 28AMAIN
SCANNING
SECTION**FIG. 28B**SUB SCANNING
SECTION

(1)

ON-AXIS
BEAM

(2)

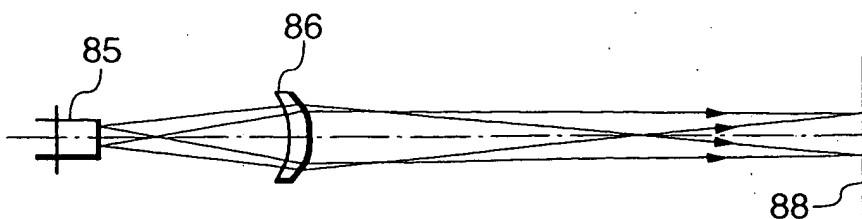
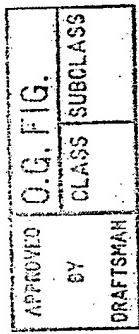
MOST
OFF-AXIS
BEAM

FIG. 29



CHANGE OF SUB SCANNING Fno

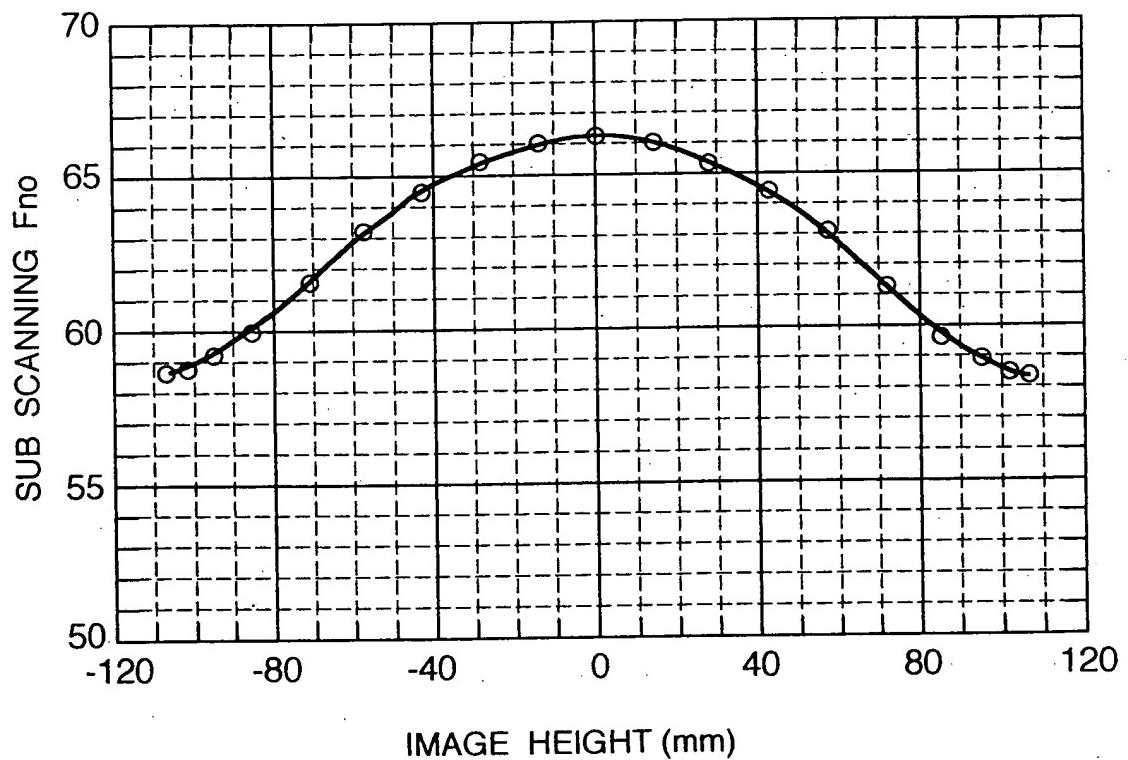


FIG. 30

Appleton	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

CURVATURE IN MERIDIAN -LINE
DIRECTION $1/m$

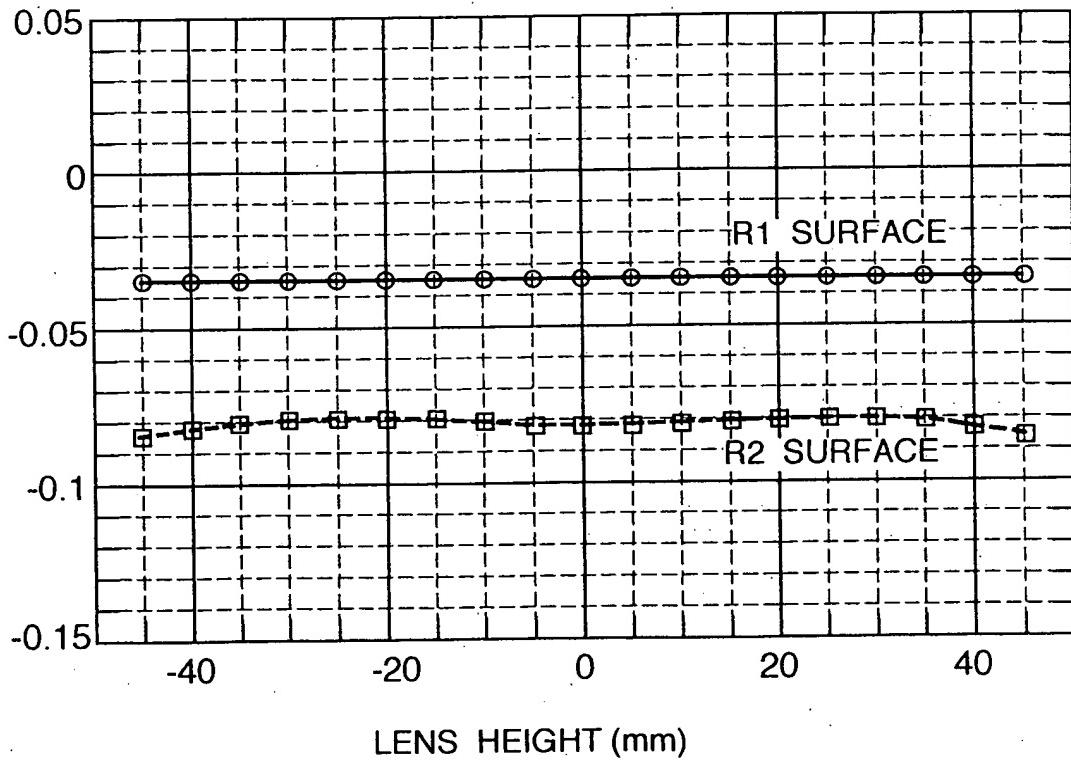


FIG. 31

APPROVED	O.G. FIG.
BY	CLASS
DRAFTSHAN	SUBCLASS

CURVE OF SCANNING LINE DUE TO BEAMS
FROM DIFFERENT EMITTING POINTS

